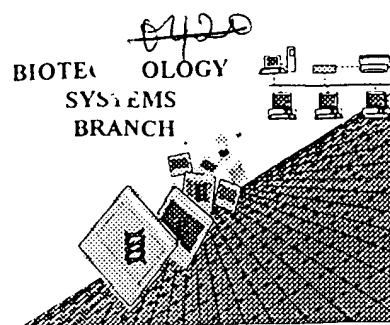LH

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *09/800,266*

Source: *OIPE*

Date Processed by STIC: *3-24-01*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 3.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

```
          RAW SEQUENCE LISTING              DATE: 03/24/2001
          PATENT APPLICATION:  US/09/800,266   TIME: 17:05:21

          Input Set : A:\seqlist.txt
          Output Set: N:\CRF3\03242001\I800266.raw
```

Does Not Comply
Corrected Diskette Needed

```
     4 <110> APPLICANT: Bratzler, Robert L.
     5         Petersen, Deanna M.
     7 <120> TITLE OF INVENTION: Immunostimulatory Nucleic Acids and
     8         Cancer Medicament Combination Therapy for the Treatment of
     9         Cancer
    11 <130> FILE REFERENCE: C1037/7017(HCL/MAT)
C-->13 <140> CURRENT APPLICATION NUMBER: US/09/800,266
C-->13 <141> CURRENT FILING DATE: 2001-03-05
    13 <150> PRIOR APPLICATION NUMBER: US 60/187,214
    14 <151> PRIOR FILING DATE: 2000-03-03
    16 <160> NUMBER OF SEQ ID NOS: 146
    18 <170> SOFTWARE: FastSEQ for Windows Version 3.0
    20 <210> SEQ ID NO: 1
    21 <211> LENGTH: 15
    22 <212> TYPE: DNA
    23 <213> ORGANISM: Artificial Sequence
W-->25 <220> FEATURE:
W-->25 <223> OTHER INFORMATION:
    25 <400> SEQUENCE: 1
    26   gctagacgtt agcgt
    28 <210> SEQ ID NO: 2
    29 <211> LENGTH: 15
    30 <212> TYPE: DNA
    31 <213> ORGANISM: Artificial Sequence
W-->33 <220> FEATURE:
W-->33 <223> OTHER INFORMATION:
    33 <400> SEQUENCE: 2
    34   gctagatgtt agcgt
    36 <210> SEQ ID NO: 3
    37 <211> LENGTH: 15
    38 <212> TYPE: DNA
    39 <213> ORGANISM: Artificial Sequence
W-->41 <220> FEATURE:
W-->41 <223> OTHER INFORMATION:
    41 <400> SEQUENCE: 3
    42   gctagacgtt agcgt
    44 <210> SEQ ID NO: 4
    45 <211> LENGTH: 15
    46 <212> TYPE: DNA
    47 <213> ORGANISM: Artificial Sequence
W-->49 <220> FEATURE:
W-->49 <223> OTHER INFORMATION:
    49 <400> SEQUENCE: 4
    50   gctagacgtt agcgt
    52 <210> SEQ ID NO: 5
    53 <211> LENGTH: 15
    54 <212> TYPE: DNA
```

Artificial sequence must include <220>, <223> features to explain the source of the genetic material in the sequence.

See #12 on the Error Summary Sheet.

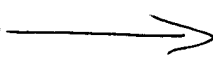*✱ This error occurs throughout the sequence listing. Please review and insert <220>, <223> where necessary.*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/800,266

DATE: 03/24/2001
TIME: 17:05:21

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\03242001\I800266.raw

```
        55 <213> ORGANISM: Artificial Sequence
W--> 57 <220> FEATURE:
W--> 57 <223> OTHER INFORMATION:
        57 <400> SEQUENCE: 5
        58  gcatgacgtt gagct                                      15
        60 <210> SEQ ID NO: 6
        61 <211> LENGTH: 20
        62 <212> TYPE: DNA
        63 <213> ORGANISM: Artificial Sequence
W--> 65 <220> FEATURE:
W--> 65 <223> OTHER INFORMATION:
        65 <400> SEQUENCE: 6
        66  atggaaggtc cagcgttctc                                 20
        68 <210> SEQ ID NO: 7
        69 <211> LENGTH: 20
        70 <212> TYPE: DNA
        71 <213> ORGANISM: Artificial Sequence
W--> 73 <220> FEATURE:
W--> 73 <223> OTHER INFORMATION:
        73 <400> SEQUENCE: 7
        74  atcgactctc gagcgttctc                                 20
        76 <210> SEQ ID NO: 8
        77 <211> LENGTH: 20
        78 <212> TYPE: DNA
        79 <213> ORGANISM: Artificial Sequence
W--> 81 <220> FEATURE:
W--> 81 <223> OTHER INFORMATION:
        81 <400> SEQUENCE: 8
        82  atcgactctc gagcgttctc                                 20
        84 <210> SEQ ID NO: 9
        85 <211> LENGTH: 20
        86 <212> TYPE: DNA
        87 <213> ORGANISM: Artificial Sequence
W--> 89 <220> FEATURE:
W--> 89 <223> OTHER INFORMATION:
        89 <400> SEQUENCE: 9
        90  atcgactctc gagcgttctc                                 20
        92 <210> SEQ ID NO: 10
        93 <211> LENGTH: 20
        94 <212> TYPE: DNA
        95 <213> ORGANISM: Artificial Sequence
W--> 97 <220> FEATURE:
W--> 97 <223> OTHER INFORMATION:
        97 <400> SEQUENCE: 10
        98  atggaaggtc caacgttctc                                 20
       100 <210> SEQ ID NO: 11
       101 <211> LENGTH: 20
       102 <212> TYPE: DNA
       103 <213> ORGANISM: Artificial Sequence
```

RAW SEQUENCE LISTING   DATE: 03/24/2001
PATENT APPLICATION: US/09/800,266 TIME: 17:05:21

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\03242001\I800266.raw**

```
W--> 105 <220> FEATURE:
W--> 105 <223> OTHER INFORMATION:
     105 <400> SEQUENCE: 11
     106  gagaacgctg gaccttccat                                    20
     108 <210> SEQ ID NO: 12
     109 <211> LENGTH: 20
     110 <212> TYPE: DNA
     111 <213> ORGANISM: Artificial Sequence
W--> 112 <220> FEATURE:
W--> 112 <223> OTHER INFORMATION:
     113 <400> SEQUENCE: 12
     114  gagaacgctc gaccttccat                                    20
     116 <210> SEQ ID NO: 13
     117 <211> LENGTH: 20
     118 <212> TYPE: DNA
     119 <213> ORGANISM: Artificial Sequence
W--> 121 <220> FEATURE:
W--> 121 <223> OTHER INFORMATION:
     121 <400> SEQUENCE: 13
     122  gagaacgctc gaccttcgat                                    20
     124 <210> SEQ ID NO: 14
     125 <211> LENGTH: 20
     126 <212> TYPE: DNA
     127 <213> ORGANISM: Artificial Sequence
W--> 129 <220> FEATURE:
W--> 129 <223> OTHER INFORMATION:
     129 <400> SEQUENCE: 14
     130  gagaacgctg gaccttccat                                    20
     132 <210> SEQ ID NO: 15
     133 <211> LENGTH: 20
     134 <212> TYPE: DNA
     135 <213> ORGANISM: Artificial Sequence
W--> 137 <220> FEATURE:
W--> 137 <223> OTHER INFORMATION:
     137 <400> SEQUENCE: 15
     138  gagaacgatg gaccttccat                                    20
     140 <210> SEQ ID NO: 16
     141 <211> LENGTH: 20
     142 <212> TYPE: DNA
     143 <213> ORGANISM: Artificial Sequence
W--> 145 <220> FEATURE:
W--> 145 <223> OTHER INFORMATION:
     145 <400> SEQUENCE: 16
     146  gagaacgctc cagcactgat                                    20
     148 <210> SEQ ID NO: 17
     149 <211> LENGTH: 20
     150 <212> TYPE: DNA
     151 <213> ORGANISM: Artificial Sequence
W--> 153 <220> FEATURE:
```

```
W--> 153 <223> OTHER INFORMATION:
     153 <400> SEQUENCE: 17
                                                                20
     154  tccatgtcgg tcctgatgct
     156 <210> SEQ ID NO: 18
     157 <211> LENGTH: 20
     158 <212> TYPE: DNA
     159 <213> ORGANISM: Artificial Sequence
W--> 161 <220> FEATURE:
W--> 161 <223> OTHER INFORMATION:
     161 <400> SEQUENCE: 18
                                                                20
     162  tccatgtcgg tcctgatgct
     164 <210> SEQ ID NO: 19
     165 <211> LENGTH: 20
     166 <212> TYPE: DNA
     167 <213> ORGANISM: Artificial Sequence
W--> 169 <220> FEATURE:
W--> 169 <223> OTHER INFORMATION:
     169 <400> SEQUENCE: 19
                                                                20
     170  tccatgacgt tcctgatgct
     172 <210> SEQ ID NO: 20
     173 <211> LENGTH: 20
     174 <212> TYPE: DNA
     175 <213> ORGANISM: Artificial Sequence
W--> 177 <220> FEATURE:
W--> 177 <223> OTHER INFORMATION:
     177 <400> SEQUENCE: 20
                                                                20
     178  tccatgtcgg tcctgctgat
     180 <210> SEQ ID NO: 21
     181 <211> LENGTH: 8
     182 <212> TYPE: DNA
     183 <213> ORGANISM: Artificial Sequence
W--> 185 <220> FEATURE:
W--> 185 <223> OTHER INFORMATION:
     185 <400> SEQUENCE: 21
                                                                8
     186  tcaacgtt
     188 <210> SEQ ID NO: 22
     189 <211> LENGTH: 8
     190 <212> TYPE: DNA
     191 <213> ORGANISM: Artificial Sequence
W--> 193 <220> FEATURE:
W--> 193 <223> OTHER INFORMATION:
     193 <400> SEQUENCE: 22
                                                                8
     194  tcagcgct
     196 <210> SEQ ID NO: 23
     197 <211> LENGTH: 8
     198 <212> TYPE: DNA
     199 <213> ORGANISM: Artificial Sequence
W--> 201 <220> FEATURE:
W--> 201 <223> OTHER INFORMATION:
```

RAW SEQUENCE LISTING   DATE: 03/24/2001
PATENT APPLICATION: US/09/800,266   TIME: 17:05:21

Input Set : A:\seqlist.txt
Output Set: N:\CRF3\03242001\I800266.raw

```
        201 <400> SEQUENCE: 23                                          8
        202  tcatcgat
        204 <210> SEQ ID NO: 24
        205 <211> LENGTH: 8
        206 <212> TYPE: DNA
        207 <213> ORGANISM: Artificial Sequence
W--> 209 <220> FEATURE:
W--> 209 <223> OTHER INFORMATION:
        209 <400> SEQUENCE: 24                                          8
        210  tcttcgaa
        212 <210> SEQ ID NO: 25
        213 <211> LENGTH: 7
        214 <212> TYPE: DNA
        215 <213> ORGANISM: Artificial Sequence
W--> 217 <220> FEATURE:
W--> 217 <223> OTHER INFORMATION:
        217 <400> SEQUENCE: 25                                          7
        218  caacgtt
        220 <210> SEQ ID NO: 26
        221 <211> LENGTH: 8
        222 <212> TYPE: DNA
        223 <213> ORGANISM: Artificial Sequence
W--> 225 <220> FEATURE:
W--> 225 <223> OTHER INFORMATION:
        225 <400> SEQUENCE: 26                                          8
        226  ccaacgtt
        228 <210> SEQ ID NO: 27
        229 <211> LENGTH: 8
        230 <212> TYPE: DNA
        231 <213> ORGANISM: Artificial Sequence
W--> 233 <220> FEATURE:
W--> 233 <223> OTHER INFORMATION:
        233 <400> SEQUENCE: 27                                          8
        234  aacgttct
        236 <210> SEQ ID NO: 28
        237 <211> LENGTH: 8
        238 <212> TYPE: DNA
        239 <213> ORGANISM: Artificial Sequence
W--> 241 <220> FEATURE:
W--> 241 <223> OTHER INFORMATION:
        241 <400> SEQUENCE: 28                                          8
        242  tcaacgtc
        244 <210> SEQ ID NO: 29
        245 <211> LENGTH: 20
        246 <212> TYPE: DNA
        247 <213> ORGANISM: Artificial Sequence
W--> 249 <220> FEATURE:
W--> 249 <223> OTHER INFORMATION:
        249 <400> SEQUENCE: 29
```

Note:

**The types of errors shown exist <u>throughout</u> the Sequence Listing. Please check
subsequent sequences for similar errors.**

```
L:13 M:270 C: Current Application Number differs, Replaced Current Application No
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:25 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:25 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:33 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:33 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:41 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:41 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:49 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:49 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:57 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:57 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:65 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:65 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:73 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:73 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:81 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:81 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:89 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:89 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:97 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:97 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:105 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:105 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:113 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:113 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:121 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:121 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:129 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:129 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:137 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:137 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:145 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:145 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:153 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:153 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:161 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:161 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:169 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:169 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:177 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:177 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:185 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:185 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:193 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:193 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:201 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:201 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
```

VERIFICATION SUMMARY   DATE: 03/24/2001
PATENT APPLICATION: US/09/800,266   TIME: 17:05:22

Input Set : **A:\seqlist.txt**
Output Set: **N:\CRF3\03242001\I800266.raw**

```
L:209 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:209 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
L:217 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:217 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:
```